Journal of Engineering Materials and Technology

# Author Index

*All authors of papers published in this volume are listed alphabetically. Full titles are included in each first author's entry. Letters in parentheses follow some of the page numbers: TB indicates Technical Brief, D indicates Discussion, E indicates Errata, and BR indicates Book Review.*


**Adachi, Tadaharu** — (see Yamaji, Akihiko) **131**, 011010
**Adachi, Takeshi** — (see Sugiura, Ryuji) **131**, 011004
**Aginagalde, Andrea, Gomez, Xabier, Galdos, Lander, and García, Carlos** — Heat Treatment Selection and Forming Strategies for 6082 Aluminum Alloy. **131**, 044501(TB)
**Agrawal, R., and Espinosa, H. D.** — Multiscale Experiments: State of the Art and Remaining Challenges. **131**, 041208
**Ahzi, S.** — (see Li, D. S.) **131**, 041211
**Aifantis, Elias C.** — (see Spieckermann, Florian C.) **131**, 027001(E)
**Aktas, Levent** — (see Hamidi, Youssef K.) **131**, 021014
**Alfantis, Elias C.** — (see Spieckermann, Florian C.) **131**, 011109
**Altan, M. Cengiz** — (see Hamidi, Youssef K.) **131**, 021014
**An, Y.** — (see Schajer, G. S.) **131**, 041001
**Aoufi, Asdin** — (see Darrieulat, Michel G.) **131**, 011104
**Araki, Wakako** — (see Yamaji, Akihiko) **131**, 011010
**Atzori, Bruno** — (see Susmel, Luca) **131**, 021009
_____ (see Susmel, Luca) **131**, 021010

**Bahr, D. F.** — (see Overman, N. R.) **131**, 041203
**Bai, Yuanli, Teng, Xiaoqing, and Wierzbicki, Tomasz** — On the Application of Stress Triaxiality Formula for Plane Strain Fracture Testing. **131**, 021002
**Bammann, D. J.** — (see Clayton, J. D.) **131**, 041201
**Bammann, Douglas J.** — (see Horstemeyer, Mark) **131**, 040301(ED)
**Baskes, M. I.** — (see Kim, Seong-Gon) **131**, 041210
**Beaudoin, A. J.** — (see Kweon, S.) **131**, 031009
**Beausir, Benoît, Tóth, László S., Qods, Fathallah, and Neale, Kenneth W.** — Texture and Mechanical Behavior of Magnesium During Free-End Torsion. **131**, 011108
**Bhattacharjee, Amit** — (see Kirane, Kedar) **131**, 021003
**Botsis, John** — (see Galli, Matteo) **131**, 021004
**Bouvard, J. L., Ward, D. K., Hossain, D., Nouranian, S., Marin, E. B., and Horstemeyer, M. F.** — Review of Hierarchical Multiscale Modeling to Describe the Mechanical Behavior of Amorphous Polymers. **131**, 041206
**Brockman, Robert A.** — (see Buchanan, Dennis J.) **131**, 031008
**Buchanan, Dennis J., John, Reji, and Brockman, Robert A.** — Relaxation of Shot-Peened Residual Stresses Under Creep Loading. **131**, 031008

**Chen, G. L.** — (see Wang, F. J.) **131**, 034501(TB)
**Chen, Linfeng** — (see Khatam, Hamed) **131**, 031015
**Chenaoui, Ahmed** — (see Darrieulat, Michel G.) **131**, 031005
**Cherkaoui, Mohammed** — (see Koutsawa, Yao) **131**, 021012
**Choi, Doo-Sun** — (see Jeon, Eun-chae) **131**, 031006
**Choi, K. S., Liu, W. N., Sun, X., Khaleel, M. A., and Fekete, J. R.** — Influence of Manufacturing Processes and Microstructures on the Performance and Manufacturability of Advanced High Strength Steels. **131**, 041205
**Clausen, Bjørn** — (see Pagliaro, Pierluigi) **131**, 031002
**Clayton, J. D., and Bammann, D. J.** — Finite Deformations and Internal Forces in Elastic-Plastic Crystals: Interpretations From Nonlinear Elasticity and Anharmonic Lattice Statics. **131**, 041201
**Colin, A.** — (see Damamme, G.) **131**, 011106

**Damamme, G., Colin, A., Desrayaud, C., and Montheillet, F.** — Identification of Simple Shear in Plane Strain Deformation. **131**, 011106
**Daniewicz, S. R.** — (see Ismonov, S.) **131**, 031007
**Darrieulat, Michel G., and Aoufi, Asdin** — Shear on the Flow Surface of Metallic Crystals. **131**, 011104
_____, **Zhani, Khalid, Fillit, René-Yves, and Chenaoui, Ahmed** — Mesoscopic Investigation of the Heterogeneities Induced by Channel-Die Compression. **131**, 031005
**Davies, H. A.** — (see Wang, F. J.) **131**, 034501(TB)
**Daya, El Mostafa** — (see Koutsawa, Yao) **131**, 021012
**Deliktas, Babur** — (see Voyiadjis, George Z.) **131**, 041202
**Deng, Gang, Sakanashi, Yoshihiko, and Nakanishi, Tsutomu** — A Practical Method for Fatigue Crack Initiation Detection Using an Ion-Sputtered Film. **131**, 011007
**Deprince, Xavier** — (see Longère, Patrice) **131**, 011105
**Desrayaud, C.** — (see Lim, S. M.) **131**, 011103
_____ (see Damamme, G.) **131**, 011106
**Dharmavaram, Sudha** — (see Hamidi, Youssef K.) **131**, 021014
**Diot, S., Guines, D., Gavrus, A., and Ragneau, E.** — Minimization of Friction Influence on the Evaluation of Rheological Parameters From Compression Test: Application to a Forging Steel Behavior Identification. **131**, 011001
**Dong, Chensong** — Development of an Engineering Model for Predicting the Transverse Coefficients of Thermal Expansion of Unidirectional Fiber Reinforced Composites. **131**, 031001
**Dragon, André** — (see Longère, Patrice) **131**, 011105

**Efstathiou, Christos** — (see McDonald, Russell J.) **131**, 031013
**Ertas, Ahmet H., Vardar, Oktem, Sonmez, Fazil O., and Solim, Zafer** — Measurement and Assessment of Fatigue Life of Spot-Weld Joints. **131**, 011011
**Espinosa, H. D.** — (see Agrawal, R.) **131**, 041208
**Evans, M.** — Critical Review and Appraisal of Traditional and New Procedures for the Quantification of Creep Fracture Behavior Using 1Cr–1Mo–0.25V Steel. **131**, 021011

**Fekete, J. R.** — (see Choi, K. S.) **131**, 041205
**Fillit, René-Yves** — (see Darrieulat, Michel G.) **131**, 031005
**Fuji, Akio** — (see Sugiura, Ryuji) **131**, 011004

**Galdos, Lander** — (see Aginagalde, Andrea) **131**, 044501(TB)
**Galli, Matteo, Botsis, John, Janczak-Rusch, Jolanta, Maier, Gerd, and Welzel, Udo** — Characterization of the Residual Stresses and Strength of Ceramic-Metal Braze Joints. **131**, 021004
**García, Carlos** — (see Aginagalde, Andrea) **131**, 044501(TB)
**Garmestani, H.** — (see Li, D. S.) **131**, 041211

**Gavrus, A.** — (see Diot, S.) **131**, 011001
**Ghosh, Somnath** — (see Kirane, Kedar) **131**, 021003
**Glowacki, Miroslaw** — (see Hojny, Marcin) **131**, 041003
**Gomez, Xabier** — (see Aginagalde, Andrea) **131**, 044501(TB)
**Groeber, Mike** — (see Kirane, Kedar) **131**, 021003
**Groh, S., and Zbib, H. M.** — Advances in Discrete Dislocations Dynamics and Multiscale Modeling. **131**, 041209
**Guines, D.** — (see Diot, S.) **131**, 011001
**Gururaja, Suhasini, and Ramulu, Mamidala** — Failure Analysis of a Fibrous Composite Half-Space Subjected to Uniform Surface Line Load. **131**, 021013

**Hamidi, Youssef K., Dharmavaram, Sudha, Aktas, Levent, and Altan, M. Cengiz** — Effect of Fiber Content on Void Morphology in Resin Transfer Molded E-Glass/Epoxy Composites. **131**, 021014
**Hansel, Jason** — (see Torvik, Peter J.) **131**, 031003
**Hartley, Craig S., and Spowart, Jonathan E.** — Measures of Bulk and Grain Strain in Deformation Processes. **131**, 011006
**Hatem, T. M., and Zikry, M. A.** — Modeling of Lath Martensitic Microstructures and Failure Evolution in Steel Alloys. **131**, 041207
**Hill, M. R.** — (see Ismonov, S.) **131**, 031007
**Hill, Michael R.** — (see Lee, Matthew J.) **131**, 047001(E)
**Hojny, Marcin, and Glowacki, Miroslaw** — The Physical and Computer Modeling of Plastic Deformation of Low Carbon Steel in Semisolid State. **131**, 041003
**Horstemeyer, M. F.** — (see Bouvard, J. L.) **131**, 041206
_____ (see Kim, Seong-Gon) **131**, 041210
**Horstemeyer, Mark, Bammann, Douglas J., and Khaleel, Mohamed** — Predictive Science and Technology in Mechanics and Materials. **131**, 040301(ED)
**Hossain, D.** — (see Bouvard, J. L.) **131**, 041206
**Houze, J.** — (see Kim, Seong-Gon) **131**, 041210
**Huang, W. D.** — (see Lin, X.) **131**, 041002

**Ismonov, S., Daniewicz, S. R., Newman, J. C., Jr., Hill, M. R., and Urban, M. R.** — Three Dimensional Finite Element Analysis of a Split-Sleeve Cold Expansion Process. **131**, 031007

**Janczak-Rusch, Jolanta** — (see Galli, Matteo) **131**, 021004
**Jelinek, B.** — (see Kim, Seong-Gon) **131**, 041210
**Jeon, Eun-chae, Park, Joo-Seung, Choi, Doo-Sun, Kim, Kug-Hwan, and Kwon, Dongil** — A Method for Estimating Uncertainty of Indentation Tensile Properties in Instrumented Indentation Test. **131**, 031006
**John, Reji** — (see Buchanan, Dennis J.) **131**, 031008
**Jou, Herng-Jeng** — (see Prasannavenkatesan, Rajesh) **131**, 011012

**Kalyanasundaram, Dinesh, Shrotriya, Pranav, and Molian, Pal** — Obtaining a Relationship Between Process Parameters and Fracture Characteristics for Hybrid $CO_2$ Laser/Waterjet Machining of Ceramics. **131**, 011005
**Katakalos, Konstantinos** — (see Papakonstantinou, Christos G.) **131**, 021008
**Khaleel, M.** — (see Li, D. S.) **131**, 041211
**Khaleel, M. A.** — (see Choi, K. S.) **131**, 041205
**Khaleel, Mohamed** — (see Horstemeyer, Mark) **131**, 040301(ED)
**Khatam, Hamed, Chen, Linfeng, and Pindera, Marek-Jerzy** — Elastic and Plastic Response of Perforated Metal Sheets With Different Porosity Architectures. **131**, 031015
**Khoddam, Sh.** — (see Sabet, M.) **131**, 044502(TB)
**Kim, Kug-Hwan** — (see Jeon, Eun-chae) **131**, 031006
**Kim, Seong-Gon, Horstemeyer, M. F., Baskes, M. I., Rais-Rohani, Masoud, Kim, Sungho, Jelinek, B., Houze, J., Moitra, Amitava, and Liyanage, Laalitha** — Semi-Empirical Potential Methods for Atomistic Simulations of Metals and Their Construction Procedures. **131**, 041210
**Kim, Sungho** — (see Kim, Seong-Gon) **131**, 041210
**Kirane, Kedar, Ghosh, Somnath, Groeber, Mike, and Bhattacharjee, Amit** — Grain Level Dwell Fatigue Crack Nucleation Model for Ti Alloys Using Crystal Plasticity Finite Element Analysis. **131**, 021003
**Klöden, Burghardt, Oertel, Carl-Georg, Skrotzki, Werner, and Rybacki, Erik** — Microstructure Development During High Strain Torsion of NiAl. **131**, 011101
_____, **Oertel, Carl-Georg, Skrotzki, Werner, and Rybacki, Erik** — Texture Formation and Swift Effect in High Strain Torsion of NiAl. **131**, 011102
**Koshikawa, Takao** — (see Yamaji, Akihiko) **131**, 011010
**Koutsawa, Yao, Cherkaoui, Mohammed, and Daya, El Mostafa** — Multicoating Inhomogeneities Problem for Effective Viscoelastic Properties of Particulate Composite Materials. **131**, 021012
**Kronenberger, Thomas J.** — (see Ross, Carl D.) **131**, 031004
**Kühhorn, Arnold** — (see Springmann, Marcel) **131**, 011003
**Kulakov, M., and Rack, H. J.** — Control of 3003-H18 Aluminum Ultrasonic Consolidation. **131**, 021006
**Kumar, Jalaj, Padma, S., Srivathsa, B., Rao, N. Vyaghreswara, and Kumar, Vikas** — Evolution of Damage in Near $\alpha$ IMI-834 Titanium Alloy Under Monotonic Loading Condition: A Continuum Damage Mechanics Approach. **131**, 031012
**Kumar, Vikas** — (see Kumar, Jalaj) **131**, 031012
**Kuna, Meinhard** — (see Springmann, Marcel) **131**, 011003
**Kurath, P.** — (see Kweon, S.) **131**, 031009
**Kurath, Peter** — (see McDonald, Russell J.) **131**, 031013
**Kweon, S., Beaudoin, A. J., Kurath, P., and Li, M.** — Development of Localized Deformation in AA 2024-O. **131**, 031009
**Kwon, Dongil** — (see Jeon, Eun-chae) **131**, 031006

**Lee, Matthew J., and Hill, Michael R.** — Erratum: "Effect of Strain Gage Length When Determining Residual Stress by Slitting" [Journal of Engineering Materials and Technology, 2007, **129**(1), pp. 143–150]. **131**, 047001(E)
**Li, D. S., Garmestani, H., Ahzi, S., Khaleel, M., and Ruch, D.** — Microstructure Design to Improve Wear Resistance in Bioimplant UHMWPE Materials. **131**, 041211
**Li, Dezhi, and Soar, Rupert C.** — Characterization of Process for Embedding SiC Fibers in Al 6061 O Matrix Through Ultrasonic Consolidation. **131**, 021016
**Li, M.** — (see Kweon, S.) **131**, 031009
**Lim, S. M., Desrayaud, C., and Montheillet, F.** — Analysis of Large Strain Hot Torsion Textures Associated With "Continuous" Dynamic Recrystallization. **131**, 011103
**Lin, X., Yue, T. M., Yang, H. O., and Huang, W. D.** — Phase Evolution in Laser Rapid Forming of Compositionally Graded Ti–Ni Alloys. **131**, 041002
**Liu, W. N.** — (see Choi, K. S.) **131**, 041205
**Liyanage, Laalitha** — (see Kim, Seong-Gon) **131**, 041210
**Lloyd, D. J.** — (see Orlov, O. S.) **131**, 021001
**Longère, Patrice, Dragon, André, and Deprince, Xavier** — Numerical Study of Impact Penetration Shearing Employing Finite Strain Viscoplasticity Model Incorporating Adiabatic Shear Banding. **131**, 011105
**Lovato, Manuel L.** — (see Pagliaro, Pierluigi) **131**, 031002

**Mahapatra, S. S.** — (see Patnaik, Amar) **131**, 031011
**Maier, Gerd** — (see Galli, Matteo) **131**, 021004
**Maire, E.** — (see Orlov, O. S.) **131**, 021001
**Marin, E. B.** — (see Bouvard, J. L.) **131**, 041206
**Markolefas, S. I.** — (see Tsamasphyros, G. J.) **131**, 011008

**McDonald, Russell J., Efstathiou, Christos, and Kurath, Peter** — The Wavelike Plastic Deformation of Single Crystal Copper. **131**, 031013
**McDowell, David L.** — (see Prasannavenkatesan, Rajesh) **131**, 011012
_____ (see Spearot, Douglas E.) **131**, 041204
**Meneghetti, Giovanni** — (see Susmel, Luca) **131**, 021009
_____ (see Susmel, Luca) **131**, 021010
**Moitra, Amitava** — (see Kim, Seong-Gon) **131**, 041210
**Molian, Pal** — (see Kalyanasundaram, Dinesh) **131**, 011005
**Montheillet, F.** — (see Lim, S. M.) **131**, 011103
_____ (see Damamme, G.) **131**, 011106

**Nakanishi, Tsutomu** — (see Deng, Gang) **131**, 011007
**Nassar, Sayed A., and Virupaksha, Vinayshankar L.** — Effect of Adhesive Thickness and Properties on the Biaxial Interfacial Shear Stresses in Bonded Joints Using a Continuum Mixture Model. **131**, 021015
**Naughton, M. D., and Tiernan, P.** — An Experimental Approach to Continuous Dieless Wire Drawing (Variant A) Using ELI Ti–6Al–4V Alloy. **131**, 021005
**Neale, Kenneth W.** — (see Beausir, Benoît) **131**, 011108
**Newman, J. C., Jr.** — (see Ismonov, S.) **131**, 031007
**Nouranian, S.** — (see Bouvard, J. L.) **131**, 041206

**Oertel, Carl-Georg** — (see Klöden, Burghardt) **131**, 011101
_____ (see Klöden, Burghardt) **131**, 011102
**Olson, Gregory B.** — (see Prasannavenkatesan, Rajesh) **131**, 011012
**Orlov, O. S., Worswick, M. J., Maire, E., and Lloyd, D. J.** — Simulation of Damage Percolation Within Aluminum Alloy Sheet. **131**, 021001
**Overman, C. T.** — (see Overman, N. R.) **131**, 041203
**Overman, N. R., Overman, C. T., Zbib, H. M., and Bahr, D. F.** — Yield and Deformation in Biaxially Stressed Multilayer Metallic Thin Films. **131**, 041203

**Padma, S.** — (see Kumar, Jalaj) **131**, 031012
**Pagliaro, Pierluigi, Prime, Michael B., Clausen, Bjørn, Lovato, Manuel L., and Zuccarello, Bernardo** — Known Residual Stress Specimens Using Opposed Indentation. **131**, 031002
**Papakonstantinou, Christos G., and Katakalos, Konstantinos** — Mechanical Behavior of High Temperature Hybrid Carbon Fiber/Titanium Laminates. **131**, 021008
**Papathanassiou, Th. K.** — (see Tsamasphyros, G. J.) **131**, 011008
**Park, Joo-Seung** — (see Jeon, Eun-chae) **131**, 031006
**Patnaik, Amar, Satapathy, Alok, and Mahapatra, S. S.** — Study on Erosion Response of Hybrid Composites Using Taguchi Experimental Design. **131**, 031011
**Peter, Sameer L., and Woldesenbet, Eyassu** — Nanoclay and Microballoons Wall Thickness Effect on Dynamic Properties of Syntactic Foam. **131**, 021007
**Pindera, Marek-Jerzy** — (see Khatam, Hamed) **131**, 031015
**Prasannavenkatesan, Rajesh, McDowell, David L., Olson, Gregory B., and Jou, Herng-Jeng** — Modeling Effects of Compliant Coatings on HCF Resistance of Primary Inclusions in High Strength Steels. **131**, 011012
**Prime, Michael B.** — (see Pagliaro, Pierluigi) **131**, 031002

**Qods, Fathallah** — (see Beausir, Benoît) **131**, 011108

**Rack, H. J.** — (see Kulakov, M.) **131**, 021006
**Ragneau, E.** — (see Diot, S.) **131**, 011001
**Rais-Rohani, Masoud** — (see Kim, Seong-Gon) **131**, 041210
**Ramulu, Mamidala** — (see Gururaja, Suhasini) **131**, 021013
**Rao, N. Vyaghreswara** — (see Kumar, Jalaj) **131**, 031012
**Rauch, E. F.** — Plastic Behavior of Metals at Large Strains: Experimental Studies Involving Simple Shear. **131**, 011107
**Rezvanian, O., and Zikry, M. A.** — Inelastic Contact Behavior of Crystalline Asperities in rf MEMS Devices. **131**, 011002
**Richards, Andrew W.** — (see Walter, Timothy R.) **131**, 011009
**Ross, Carl D., Kronenberger, Thomas J., and Roth, John T.** — Effect of dc on the Formability of Ti–6Al–4V. **131**, 031004
**Roth, John T.** — (see Ross, Carl D.) **131**, 031004
**Ruch, D.** — (see Li, D. S.) **131**, 041211
**Rybacki, Erik** — (see Klöden, Burghardt) **131**, 011101
_____ (see Klöden, Burghardt) **131**, 011102

**Sabet, M., Zarei-Hanzaki, A., and Khoddam, Sh.** — Dynamic Restoration Processes in High-Mn TWIP Steels. **131**, 044502(TB)
**Sakanashi, Yoshihiko** — (see Deng, Gang) **131**, 011007
**Satapathy, Alok** — (see Patnaik, Amar) **131**, 031011
**Schafler, Erhard** — (see Spieckermann, Florian C.) **131**, 011109
_____ (see Spieckermann, Florian C.) **131**, 027001(E)
**Schajer, G. S., and An, Y.** — Inverse Calculation of Uniaxial Stress-Strain Curves From Bending Test Data. **131**, 041001
**Scherzer, Matthias** — (see Springmann, Marcel) **131**, 011003
**Shariyat, M.** — Two New Multiaxial HCF Criteria Based on Virtual Stress Amplitude and Virtual Mean Stress Concepts for Complicated Geometries and Random Nonproportional Loading Conditions. **131**, 031014
**Shen, Hui-Shen** — A Comparison of Post-buckling Behavior for FGM Cylindrical Shells With Piezoelectric Fiber Reinforced Composite Actuators. **131**, 031010
**Shrotriya, Pranav** — (see Kalyanasundaram, Dinesh) **131**, 011005
**Skrotzki, Werner** — (see Klöden, Burghardt) **131**, 011101
_____ (see Klöden, Burghardt) **131**, 011102
**Soar, Rupert C.** — (see Li, Dezhi) **131**, 021016
**Solim, Zafer** — (see Ertas, Ahmet H.) **131**, 011011
**Sonmez, Fazil O.** — (see Ertas, Ahmet H.) **131**, 011011
**Spearot, Douglas E., and McDowell, David L.** — Atomistic Modeling of Grain Boundaries and Dislocation Processes in Metallic Polycrystalline Materials. **131**, 041204
**Spieckermann, Florian C., Wilhem, Harald R., Schafler, Erhard, Alfantis, Elias C., and Zehetbauer, Michael J.** — Determination of Critical Strains in Isotactic Polypropylene by Cyclic Loading-Unloading. **131**, 011109
_____ , **Wilhelm, Harald R., Schafler, Erhard, Aifantis, Elias C., and Zehetbauer, Michael J.** — Erratum: "Determination of Critical Strains in Isotactic Polypropylene by Cyclic Loading-Unloading" [Journal of Engineering Materials and Technology, 2009, **131**(1), p. 011109]. **131**, 027001(E)
**Spowart, Jonathan E.** — (see Hartley, Craig S.) **131**, 011006
**Springmann, Marcel, Kühhorn, Arnold, Kuna, Meinhard, and Scherzer, Matthias** — Influence of Strain Localization on Parameter Identification. **131**, 011003
**Srivathsa, B.** — (see Kumar, Jalaj) **131**, 031012
**Subhash, Ghatu** — (see Walter, Timothy R.) **131**, 011009
**Sugiura, Ryuji, Yokobori, A. Toshimitsu, Jr., Tabuchi, Masaaki, Fuji, Akio, and Adachi, Takeshi** — Characterization of Structural Embrittlement of Creep Crack Growth for W-Added 12%Cr Ferritic Heat-Resistant Steel Related to the Multiaxial Stress. **131**, 011004
**Sun, X.** — (see Choi, K. S.) **131**, 041205
**Susmel, Luca, Meneghetti, Giovanni, and Atzori, Bruno** — A Simple and Efficient Reformulation of the Classical Manson–Coffin Curve to Predict Lifetime Under Multiaxial Fatigue Loading—Part I: Plain Materials. **131**, 021009
_____ , **Meneghetti, Giovanni, and Atzori, Bruno** — A Simple and Efficient Reformulation of the Classical Manson–Coffin Curve to Predict Lifetime Under Multiaxial Fatigue Loading—Part II: Notches. **131**, 021010

**Tabuchi, Masaaki** — (see Sugiura, Ryuji) **131**, 011004
**Teng, Xiaoqing** — (see Bai, Yuanli) **131**, 021002
**Tiernan, P.** — (see Naughton, M. D.) **131**, 021005
**Torvik, Peter J., and Hansel, Jason** — Mechanical Properties of a Ceramic Coating With VEM Infiltration. **131**, 031003
**Tóth, László S.** — Editorial. **131**, 010201(ED)
_____ (see Beausir, Benoît) **131**, 011108
**Tsamasphyros, G. J., Papathanassiou, Th. K., and Markolefas, S. I.** — Some Analytical Solutions of the Kamal Equation for Isothermal Curing With Applications to Composite Patch Repair. **131**, 011008

**Urban, M. R.** — (see Ismonov, S.) **131**, 031007

**Vardar, Oktem** — (see Ertas, Ahmet H.) **131**, 011011
**Virupaksha, Vinayshankar L.** — (see Nassar, Sayed A.) **131**, 021015
**Voyiadjis, George Z., and Deliktas, Babur** — Theoretical and Experimental Characterization for the Inelastic Behavior of the Micro-/Nanostructured Thin Films Using Strain Gradient Plasticity With Interface Energy. **131**, 041202

**Walter, Timothy R., Richards, Andrew W., and Subhash, Ghatu** — A Unified Phenomenological Model for Tensile and Compressive Response of Polymeric Foams. **131**, 011009
**Wang, F. J., Zhang, Y., Chen, G. L., and Davies, H. A.** — Cooling Rate and Size Effect on the Microstructure and Mechanical Properties of AlCoCrFeNi High Entropy Alloy. **131**, 034501(TB)
**Ward, D. K.** — (see Bouvard, J. L.) **131**, 041206
**Welzel, Udo** — (see Galli, Matteo) **131**, 021004
**Wierzbicki, Tomasz** — (see Bai, Yuanli) **131**, 021002
**Wilhelm, Harald R.** — (see Spieckermann, Florian C.) **131**, 027001(E)
**Wilhem, Harald R.** — (see Spieckermann, Florian C.) **131**, 011109
**Woldesenbet, Eyassu** — (see Peter, Sameer L.) **131**, 021007
**Worswick, M. J.** — (see Orlov, O. S.) **131**, 021001

**Yamaji, Akihiko, Koshikawa, Takao, Araki, Wakako, and Adachi, Tadaharu** — Stabilization of a Zirconia System and Evaluation of Its Electrolyte Characteristics for a Fuel Cell: Based on Electrical and Mechanical Considerations. **131**, 011010
**Yang, H. O.** — (see Lin, X.) **131**, 041002
**Yokobori, A. Toshimitsu, Jr.** — (see Sugiura, Ryuji) **131**, 011004
**Yue, T. M.** — (see Lin, X.) **131**, 041002

**Zarei-Hanzaki, A.** — (see Sabet, M.) **131**, 044502(TB)
**Zbib, H. M.** — (see Overman, N. R.) **131**, 041203
_____ (see Groh, S.) **131**, 041209
**Zehetbauer, Michael J.** — (see Spieckermann, Florian C.) **131**, 011109
_____ (see Spieckermann, Florian C.) **131**, 027001(E)
**Zhang, Y.** — (see Wang, F. J.) **131**, 034501(TB)
**Zhani, Khalid** — (see Darrieulat, Michel G.) **131**, 031005
**Zikry, M. A.** — (see Rezvanian, O.) **131**, 011002
_____ (see Hatem, T. M.) **131**, 041207
**Zuccarello, Bernardo** — (see Pagliaro, Pierluigi) **131**, 031002